SEQUENCE LISTING

<110> Shigeru NAKANO GENE INVOLVED IN GROWTH-PROMOTING FUNCTION OF ACETIC ACID BACTERIA AND <120> USES THEREOF <130> 1254-0301PUS1 <140> US 10/561,834 <141> 2005-12-22 <150> PCT/JP2004/008797 <151> 2004-06-16 JP 2003-183047 <150> <151> 2003-06-26 <160> 7 <210> 1 <211> 2352 <212> DNA <213> Gluconacetobacter entanii <400> qatccaqcca tqqacaqqtq cqqqcaqqtt tcccqqcatt cccqtttcaq ctccttcccq 60 ctggcattgc gataatggcc tcaggccaac tgtatcaaca tgcatcaggc cagtgtggaa 120 catgccccca tctccacaaa caagaaggcg tctgatcaag tatctttaag gacgggaata 180 tgcgtcttcg catggtatta ctggcgactg cacttggcgc agcgccattc gccaccgcaa 240 tgqccacqac qattacaqqq ccatatqtcq atatcggtgg cgggtatgac ctgacccaga 300 cccagcatgc ccatggcttt gacaagaacc agtacgaaaa caacgcaaat acggccgggt 360 atcttgatgc aacggacaac gcccgcctgc tgaaggaagc ccattcacgc gaacgcatgg 420 aacatqqcqa tqqctqqacc ggcttcgcca cgttcggctg ggggttcggc aacggcctgc 480 540 qcqcqqaaat cqaqqqqqat tacaactggt ccgccctgac cggctacaac tcggtttccg gttccgccta tggcaacaat catcagagcg gcaagtccag cggcagcgac cggtcctatg 600 qcqqattcqt caacqtcctq tatgacatcq acctcaagcg cctgtttaac attgacqtgc 660 720 ccqtqacacc attcqtcqqc qttqqcqccq qttacctqtq gcagaacqtq gatqccaqca 780 catceqtqae ceqetacetq aacqtqeqee agaacqqeac gaatgqeage ttegeetate 840 agggeatggt eggeegece tatgacatee eeggtgtgee eggeetgeag atgaceaeeg 900 aataccqcat qatcqqacaq qtqqaatcct tcqccatggg caatatcagc cagactggcg 960 gcggtgaccg cacgctgagc tacgaccatc gcttcaacca tcagttcatc gtcggcgtcc getacgeett caaccacgeg ccaccgeege cgccgcccgc gcccgccgtg gcgccccctg 1020 ccccaqcqc qqcccqtacc tatctcqtat tctttgactg ggatggcgcg gtcctgaccg atcgcgcgcg cgggatcgtg gcggaagcgg cgcaggcttc cacgcatgtc cagacgaccc 1140 gtatcqaagt caacggctat accgacaaca cctcggccca ccccggacca cgtggggaga 1200 agtataacct tggcctgtcc atgcggcgcg cagacagcgt gaaggctgaa ctgatccgtg 1260 acggcgtacc cgctggcggc atcgacatcc actggtatgg cgaagcccat ccgctggtgg 1320 tcacccaqcc cgatacgcgt gagccgcaga accgtcgcgt cgaaatcatc ctgcactgac 1380 gacacatact gcaataaatt gataaatagg cttttttaca aaggggcgca caggatgcgc 1440 ccctttccat atcqaatcqt tccqatqcat cacaqqccat gaatcagccc ttccgtttcc 1500 ggcactgtcc tatgcaaaat aaaggggtct attatcggac ttcaaaaaaa accttataaa 1560 atcgggactt tttacggaat acctccaaat gccctgaaag atatgtgtgt ttttcgccac 1620 acctcgttgg catgcggcat tttgcccatt ctcaagtcgg tccagacagg ctaatcccgc 1680 atcatagett gegggtaate teaggetgee etgtateggg geaaateeat tgeeegaeea 1740

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